



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket Number: AVSI-0023 (108328.00146)
In re the Application of: Ruxandra Draghia-Akli, et al.
Serial No.: 10/619,939
Filed: July 15, 2003
Art Unit: 1636
Examiner: Daniel M. Sullivan
For: CODON OPTIMIZED SYNTHETIC PLASMIDS

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
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Tracy E. Giroux
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2ND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Herewith is Form PTO-1449 together with one copy of each document listed thereon. Please note also any item(s) designated below:

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, which ever event occurs last 37 C.F.R. § 1.97(b).

 The fee set forth in 37 CFR 1.17(p) \$ is enclosed.

Each document listed on enclosed Form PTO-1449 was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this correspondence.

X

Respectfully submitted,

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Reg. No. 33,590

Date: Dec. 14, 2006

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PTO/SB/08A (08-03)

Substitute for form 1449/PTC

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/619,939
Filing Date	July 15, 2003
First Named Inventor	Ruxandra Draghia-Akli, et al.
Art Unit	1636
Examiner Name	Daniel M. Sullivan
Attorney Docket Number	AVSI-0023 (108328.00146)

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Type
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	1	WO 01/66149 A2	09/13/2001	Fewell, et al.	Entire Document	
	2	WO 02/061037 A2	08/08/2002	Carpenter, et al.	Entire Document	

Examiner Signature		Date Considered	
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STATEMENT BY APPLICANT**

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Sheet

2

of

2

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First Named Inventor

Ruxandra Draghia-Akli, et al.

Art Unit

1636

Examiner Name

Daniel M. Sullivan

Attorney Docket Number

AVSI-0023 (108328.00146)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	3	HAMDAN FF, Mousa A, Ribeiro P. Codon optimization improves heterologous expression of a Schistosoma mansoni cDNA in HEK293 cells. Parasitol Res. 2002 Jun;88(6):583-6. Epub 2002 Feb 16.	
	4	KIM CH, Oh Y, Lee TH. Codon optimization for high-level expression of human erythropoietin (EPO) in mammalian cells. Gene: An International Journal on Genes and Genomes, Elsevier, Amsterdam, NL. 1997 Oct 15;199(1-2):293-301.	
	5	YEW NS, Wysokenski DM, Wang KX, Ziegler RJ, Marshall J, McNeilly D, Cherry M, Osburn W, Cheng SH. Optimization of plasmid vectors for high-level expression in lung epithelial cells. Hum Gene Ther. 1997 Mar 20;8(5):575-84.	
	6	Supplementary European Search Report Under Article 157(2)(a) EPC, from the European Patent Office, dated October 10, 2006.	

Examiner Signature	Date Considered
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